

ABSTRACT

A shaped catalyst carrier containing titania, wherein at least 50 wt% of the titania is present as brookite, and wherein the carrier has between 40 and 100 wt% of crystalline titania based on the total weight of the carrier. Also disclosed are catalyst or catalyst precursors formed from the shaped catalyst carriers described above, and a Group VIII metal or metal compound, and their use in the synthesis of hydrocarbons from carbon monoxide and hydrogen.